

ABSTRACT OF THE DISCLOSURE

A non-invasive method for obtaining therapeutic levels of protein in the bloodstream by administering rAAV containing a transgene encoding the secretable or extracellular membrane-bound protein via inhalation, is provided. Suitably, the
5 transgene product is under the control of a lung-specific promoter. Also provided are pharmaceutical kits containing rAAV encoding the secretable protein in a suspension suitable for delivery via intranasal or oral inhalation.